

PROGRESS REPORT OF THE GEOGRAPHY DIVISION  
for April 1959

A. Research and Technical Support Activity Completed During April

The Geography Division contribution to NIE 11-6-59, Soviet Science and Technology, reported last month completed as CIA/RR G/I 59-23, was rewritten in expanded form and submitted to ONE.

Estimate of Flood Loss Resulting from the Destruction of the High Aswan Dam, CIA/RR GR 59-9, requested by the DCI, gave an estimate of the flood damage that would be caused if a single nuclear explosion were to breach completely the High Aswan Dam when it was full of water, based on these assumptions: 1. The High Dam could not be completed and filled with water before 1970; 2. The population of Egypt is about 32 million; 3. No one in Egypt has been warned of the impending burst; and 4. Although plans for the High Aswan Dam include provision for large outlets to lower the water level in case of war, this provision is of little significance for the purpose of the report because it would take almost two months to reduce the water to safe levels.

Contributions on Land, People, Economy, and Transportation for the Tibet and China (Briefing Paper) were prepared at the direction of the DD/I and submitted to [REDACTED] of OGI for utilization in the final report for the DCI. These comprised about 1/3 of the total finished product, which reportedly was used by the DCI in an appearance before the Senate Foreign Relations Committee on 28 April. 25X1A9a

Geographic intelligence support was supplied orally to S/T for their project on Logistical Study of Chicom Supply Routes to Tibet. In addition an abbreviated version appearing in the OGI Weekly was reviewed at the request of GSH.

The following were completed in the Division during April:

		<u>Requester</u>
CIA/RR MR 59-1 (MR-57)	Geographic Intelligence Review	Routine
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CIA/RR GR 59-8	[REDACTED]	DD/P, Army, Navy, AF
CIA/RR GR 59-9	Estimate of Flood Loss Resulting from the Destruction of the High Aswan Dam	DCI
NIS 1 United Kingdom	Section 19 of Chapter I	NIS Program

		<u>Requester</u>
NIS 13A East Germany	Section 19 of Chapter I	NIS Program
NIS 33 Iran	Map and Chart Appraisal Component of Chapter I Annual	NIS Program
CIA/RR G/I 59-27	Soviet Whaling Fleet Used for Additional Activities in the Antarctic	OCI Weekly
CIA/RR G/I 59-28	Poland Requests Participation in Antarctic Talks	OCI Daily
CIA/RR G/I 59-29	Contributions to <u>Tibet and China</u> (Background Paper) Part II. Land and People III. Economy and Transpor- tation	DCI
CIA/RR G/S 59-5	Logistical Study of Chinese Communist Supply Lines to Tibet	DD/I for S/TH
CIA/RR G/S 59-6	Comments on Draft of <u>Dispersal of</u> <u>Industry to Reduce Vulnerability</u> <u>in the USSR, 1951-1958</u>	S/CST Project 41.1/66

B. Planning and Development

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During a visit by [REDACTED], TAB/PFC, to D/GG for the purpose of levying a West China research requirement on GG/P, it became apparent that some duplication and confusion existed and that clarification and coordination of the several DD/P requirements for geographic intelligence support on West China and Tibet were necessary. Accordingly, [REDACTED] went to DD/P to confer with [REDACTED]

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(FP Plans),  
The conference 25X1A9a

was most useful in redefining, coordinating, and establishing relative priorities for GG/P projects on West China and Tibet in support of DD/P.

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In a memorandum dated 27 April 1959 to the NIS Chapter IX Coordinator, [REDACTED] OPI, quoted excerpts from a CINCPAC letter concerning the maintenance of the Chapters IX for Iran and Sudan, as well as for eight additional Chapters IX that were completed prior to FY 1953. The scheduling of maintenance Chapters IX has been based on a combination of the following: 1. the date of the published Chapter; 2. the changes in the mapping and charting that have taken place since the preparation of the original chapter, regardless of the date of publication, and 3. the position of the NIS Area on the JCS priority List. Each of the areas listed in the memorandum was therefore considered at the scheduling

meeting of the Chapter IX Subcommittee held 19 May 1958 and will automatically be reconsidered at the next meeting, which will be held within the next two months. Special consideration was given to Iran at the last scheduling but was rejected in favor of Thailand.

Scattered and unconnected pieces of intelligence have suddenly emerged into what appears to be complete confirmation of earlier estimates of the importance of gravity measurements, especially as related to Soviet activities in that field. The time invested in surveillance of Soviet gravimetric activities and in efforts to influence formulation of Bureau of Foreign Commerce policies to place gravimeters under trade control -- as well as developing control of U.S. gravity data -- may well assist in placing the U.S. in a dominant bargaining position to force the release of Soviet gravity data under an exchange arrangement. Recent intelligence has disclosed long-time Soviet interest in gravity surveys at sea, Soviet development of a surface-ship gravimeter (for perhaps 10 years), emphasis on pendulum instruments because of inadequate Soviet spring-type gravimeters adapted to surface use, and surveys undertaken in the western Pacific waters coincident with the terminus of the TT missile range. Furthermore, recent sensitive information indicates Soviet agent activity to secure information on current U.S. developments of airborne gravimeters.

Information continued to be received in considerable volume on the administrative division reorganization under way in Bulgaria as part of the "Leap Forward" program. The picture that is emerging indicates that the reorganization is more extensive than anticipated from the initial announcements. GA-90.1, Bulgaria: Territorial-Administration Organization, is now obsolete and Part II should be revised and re-issued. Sufficient information is also becoming available upon which to base a geographic analysis of the composition and structure of the new economic-administrative okruzi that mark a new departure in Socialist organization differing both from the USSR Sovnarkhozes and the Chinese people's communes.

Considerable effort was expended in planning for a project to review the territorial and sovereignty problems of the Arctic in light of recent technological, military and legal developments. A statement of the scope of the problem and a proposed outline have been submitted to Chief, D/GG. Discussions with the Department of State officials have indicated they are enthusiastic about the fact that intelligence personnel are aware of the nature of the problem and expressed unqualified support. A letter of endorsement for such a project is being prepared.

Progress of work in the branches and staffs was characterized as follows:

USSR Branch: The urban plan program now has 21 cities in the production line. Novosibirsk was published, and Minsk, Kyzyl-Orda, and Kalnodka were started during April. Informal conversations indicate that Alma Ata, the first city plan to be issued in this program, was recently received in AMS and is already being recommended for Chapter IX of the LIS. One

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of the three Soviet GM Plant studies for OSI is in editing, the draft for the second is nearing completion. Work continues on the USSR railroad text and the unconventional-warfare feasibility studies.

Europe Branch: Considerable activity was directed toward the NIS program and toward three geographic intelligence reports, namely, the Olaszyn Region, Agricultural Regions of Rumania, and one UW study. One member of the Branch continued on temporary assignment to a special project in another Branch.

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Near East/Africa Branch: [REDACTED] is being actively worked on but progress has been painfully slow. The provisional draft of the feature article for MR 59-2 (all-Africa issue) was finished and edited preparatory to review by the Department of State, ORR, and D/P. The short articles have been finished and edited. Two of the 3 maps are in drafting. The article on Moroccan Berbers has been completed in first draft and its accompanying map is in D/GC. While much remains to be done on the Middle East portion of the Kurdish study, the USSR portion is practically complete and very slim. USIB has recently registered strong interest in this problem.

Far East/Pacific Branch: April was an extremely busy month in GG/P, which became involved in five projects on Tibet and West China. In addition, a larger-than-usual block of time was expended on support for OTR, involving lectures for the Regional Survey Course on East Asia. More routine activity saw completion of drafts for the agroclimatic study of Chinese agriculture and for a "safe area" study in China, the Administrative Atlas of Communist China, and the article on Overseas Chinese in South East Asia. Plans for the informal Southeast Asia discussion group received approval, and implementing action to launch the group will be taken in May.

Special Research Branch: Intelligence continued on Antarctic in support of the U.S. review of policy and on the unusual Soviet activities and Polish efforts to gain diplomatic entry into the Antarctic Conference. The Ecuador-Peru boundary memorandum to supplement G-20 and PN 69.1655, Activities of Non-Soviet Countries during the IGY, are in abeyance because of priority work on Antarctica. Valuable intelligence was located on Soviet developments in gravimetry and the measure of urgency they attach to improvement of their capabilities in airborne gravity surveying.

Coordination Staff: Status of coordination of Chapters IX under way is as follows: NIS 101, West Pacific Islands, nearing completion; NIS 102, Southwest Pacific Islands, and NIS 13B<sup>M</sup>, [REDACTED] in progress; and 25X6 work begun on NIS 25B, Malta. All four chapters will be delivered to OSI before the end of the fiscal year. Work and deliveries on sections 19 and the Chapter I Annuals are up to date.

Editing and Review Staff: April as a whole was a relatively slack period for the Staff, but it was interrupted on occasion for rush work of a high-priority nature, such as the re-do of the D/GC Contribution to

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NIE 11-6-59. Major geographic intelligence reports now in editing include China Mainland: Provisional Atlas of Communist Administrative Units and revision of the Soviet Arctic.

C. Significant Outside Contacts and Activities

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newly-assigned PPO to Moscow, was briefed at length by [redacted] on Soviet mapping and the importance of map procurement. His interested reaction developed into an exploration of means to step up collection of materials not restricted by Soviet Security controls but at the same time not available in normal Soviet export channels. Efforts will be made to concentrate on large- and medium-scale maps: agricultural, land-use, geological, and on the 1:300,000 series.

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[redacted] attended the debriefing of Messrs. [redacted] and [redacted] who reported on their activities as U.S. observers with the Belgian and Japanese Antarctic expeditions, respectively; and of [redacted] U.S. observer with the Russian expedition.

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[redacted] discussed the Industrialization of Slovakia project (PN 63.1767) with the Czechoslovak desk officers of IRS and the EE area of the Department of State. The results of the meetings were incorporated in an addendum to the Slovak project proposal.

Department of State officials were supplied with data on the location and extent of Russian concessions in Svalbard, the number of Russians located there and their activities, and the sovereignty status. The data was furnished on a particularly short notice in connection with problems associated with recovery of a missile nose cone.

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[redacted] attended the symposium on the use of the Philco Transac S-2000 computer.

D. Problems

An unusual amount of overtime has been and will be required to meet the NIS FY 1959 commitments before 1 July. This was anticipated, however, since most of the Chapters IX for this year are large, the staff has not been complete, and the preparation of the Chapter I Annuals has reduced the time available for coordination of Chapters IX and Section 19. The addition of the new member to the Coordination Staff should prevent a recurrence of the end-of-the-fiscal-year pressure in FY 1960.

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As D/CG representative to the County Fair exhibit in April, [redacted] suggests that the Division display is ineffective and leaves visitors confused by the clutter of documents spread over two tables.

One member of the Division suggests that if proofs on all maps for the MR were prepared, errors such as those on Map 27553 (MR-57) would be less likely to occur.

E. Miscellaneous 25X1A9a

[REDACTED] was designated principal CIA member on the NSC 5804/1 Working Group, vice [REDACTED], DD/P. 25X1A9a

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[REDACTED] prepared and presented lectures on physical and human geography of China, Japan, Korea, and Taiwan and the Soviet Far East for [REDACTED]'s Survey Course on East Asia. They subsequently participated in a round-up panel discussion. 25X1A9a

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[REDACTED] Chief, Far East Division of DD/P, commented on his report Northeast Thailand, CIA/RR CR 5-2, stating "This study is quite extensive and detailed and has made a sizeable contribution to the Far East Division, specifically the Thailand Desk, in its efforts to establish a comprehensive study of the area in question."

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[REDACTED] reported for duty in the Division 20 April and is assigned to the Coordination Staff.

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[REDACTED] received language awards for Russian and Czech respectively.

**F. SCHEDULED WORK**

<u>Project Control<sup>1/</sup></u>	<u>Title</u>	<u>Requester</u>	<u>Status<sup>1/</sup></u>	<u>Est. Date of Publication<sup>1/</sup></u>
<b><u>Geographic Intelligence Review, CIA/RR MR</u></b>				
62.1740	Geographic Intelligence Review, MR 59-2	Routine	***	II 59
60.1760	Geographic Intelligence Review, MR 59-3	Routine	*	II 59
<b><u>Geographic Intelligence Reports (for standard distribution), CIA/RR G</u></b>				
61.1211	Geog. of Hingsia, Suiyuan, Charhar, Shensi	DD/P	Delayed	Open
61.1212	Geog. of Singkiang	DD/P	***	Open
61.1273	Geog. of Tibet	DD/P	Delayed	Open
64.1629	The Soviet Arctic (G-15 revised)	Self-init.	****	Jul 59
69.1655	NonSov. Activ. in Antarctica during ISV	Self-init.	**	III 59
61.1719	Hydroelec. Power Potential in Com. China	Self-init.	***	III 59
63.1720	Olsztyn Region of Poland	Self-init.	**	III 59
63.1767	Industrialization of Slovakia	Self-init.	*	III 59
<b><u>Geographic Intelligence Reports (for limited and special distribution), CIA/RR GR</u></b>				
69.1189	Intel. Col. Manual (geodesy, photogram., etc.)	Self-init.	Delayed	Open
69.1279	Satellite Geod. Activ. since Sofia Conf.	Self-init.	Delayed	Open
63.1341	Urban Area Study: Sofia, Bulgaria	DD/P	Delayed	Open
63.1342	Urban Area Study: Burgas, Bulgaria	DD/P	In Reprod.	May 59
GR 59-7				
61.1357	North Korea Target Study: Ch'ongjin	DD/P	***	May 59
62.1391	Evasion Geography of Afghanistan	AFCIN	***	II 59
64.1419	USSR RR Map	S/TR/RR	***	II 59
64.1437	Atlas II, GR-155, Sov. Terr. Adm. Div.	Self-init.	****	Jul 59
Amended				
61.1448-59	North Korean Target Studies (12 studies)	DD/P	Delayed	Open
64.1544		DD/P, etc.	I	Jul 59
64.1545	25X1A2d2	DD/P, etc.	I	Jun 59

1/ I Initial research.

\* Research 1/3 complete.

\*\* Research 2/3 complete.

\*\*\* Research in final stage.

\*\*\*\* Preparation for reproduction in process.

Delayed: Work scheduled; due date or other work does not warrant beginning project.

In abeyance: Some work done but higher priority work has taken precedence.

#: New project initiated during month.

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<u>Project Control</u> <sup>1/</sup>	<u>Title</u>	<u>Requester</u>	<u>Status</u> <sup>1/</sup>	<u>Est. Date of Publication</u> <sup>1/</sup>
<u>Geographic Intelligence Reports, CIA/RR (continued)</u>				
64.1546	25X1A2d2	DD/P, etc.	**	Jul 59
64.1547		DD/P, etc.	**	Jun 59
64.1554		DD/P, etc.	I	Jul 59
61.1613		DD/P, etc.	***	Jul 59
64.1636	Revision of Geog. Briefs of Ec. Regions	Self-init.	I	Open
63.1649	25X1A2d2	DD/P, etc.	*	May 59
61.1651	Mainland China Atlas	Self-init.	****	II 59
62.1663	25X1A2d2	DD/P, etc.	*	Open
69.1692	Curr. Dev. in Geodesy, etc.	Self-init.	I	Open
61.1717	Grain Production in Communist China	M/AG/RR	***	May 59
64.1727	25X1A2d2	JAEC(Army)	In abeyance	Open
63.1728	Agr. Region, Rumania (for NIS Sec. 61)	M/AG/RR	**	Jun 59
60.1742	The Kurds	OIS for NEA	**	May 59
63.1743	25X1A2d2	DD/P, etc.	*	Jul 59
61.1768	Adm. Div. of Indonesia	Self-init./YDD	*	III 59
#61.1774	Vul. Analysis of Supply Routes in Tibet	DD/P	*	May 59
GR 59-10				

Geographic Intelligence Memorandum, CIA/RR GM

61.1711	Overseas Chinese in SE Asia	Self-init.	***	May 59
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External Research, CIA/RR ER (OSU)

69.908	Add. Ref. to Sov. Diagrams, etc., of Soviet Geod. and Photogram. Instruments (ER-6)		In abeyance	Open
69.908	A Report on Sov. Cartography (ER-12)		In abeyance	Open
69.908	Selected List of Ref. to Sov. Cartography (ER-13)		In abeyance	Open
69.908	Selected Bibliography of Sov. Geodesy (ER-14)		***	Open

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#: New project initiated during month.

Roman numeral: Quarter of calendar year.



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<b><u>Geographic Memorandums, G/E and G/I; Service Jobs, G/S; and Jobs of Undetermined Category</u></b>				
63.1209	City Plan: Gdansk, Poland	DD/P	**	Open
63.1316	City Plan: Bucharest, Rumania	DD/P	***	Open
69.1577	Accuracy of Target Positioning: USSR	Navy	***	Open
64.1698	USSR City Plans	SR/6, DD/P		Open
64.1707	Geog. Analysis of USSR, Ec. Region V	S/COM/RR	****	May 59
G/I 59-19				
64.1713	USSR Intelligence Atlas	Self-init.	I	Open
63.1715	Research for Agr. Maps of E. Germany	M/AG/RR	I	Open
64.1739	Maps - Ostrov Vozrozhdeniya	OSI/ASD	*	Jun 59
63.1741	Index for plotting mapping. Eur. Satellites	Self-init.	*	Open
61.1744	Safe Areas: China	SAC thru AFCIN	**	May 59
64.1745	Safe Areas: USSR	ditto	*	Open
63.1746	Presentation to Eur. Satellites Com., ONR	The Com.	**	Open
64.1759	GM Installations (3) in USSR	GM/SI	***	May 59
62.1763	Central Sector of Israel-Syria Demilit. Zone	Amcongen Jerusalem	*	May 59
#61.1770	Characteristics of Specific Stream Valleys in W. China	DD/P	*	May 59
#61.1773		DD/P	*	May 59

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1/ I Initial research.

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	25X6A		Estimate Will Go to OBI	
PH 60.1623			May 59	NIS Section 19 Chapter I
60.1730	NIS 49,	Libya	Aug 59	
60.1731	NIS 40,	Mongolia	Oct 59	
60.1732			Dec 59	
60.1733	NIS 43A,	Cambodia	Jan 60	
60.1734	NIS 43B,	Laos	Feb 60	
60.1735	NIS 43C,	North Vietnam	Mar 60	
60.1736	NIS 43D,	South Vietnam	Apr 60	
60.1737	NIS 26M,	USSR	May 60	
60.1677	NIS 18,	Czechoslovakia	15 May 59	NIS Section 19 Chapter I ANNUAL
60.1678	NIS 3,	France	15 Jun 59	
60.1747	NIS 21,	Yugoslavia	17 Aug 59	
60.1748	NIS 4,	Netherlands	15 Sep 59	
60.1749	NIS 30,	Iraq	15 Oct 59	
60.1750	NIS 8,	Portugal	16 Nov 59	
60.1751	NIS 22,	Rumania	15 Dec 59	
60.1752	NIS 28A,	Syria	15 Jan 60	
60.1753	NIS 10,	Norway	5 Feb 60	
60.1754	NIS 23,	Bulgaria	23 Feb 60	
60.1755	NIS 53,	Egypt	15 Mar 60	
60.1756	NIS 12,	Finland	15 Apr 60	
60.1757	NIS 39B,	Nationalist China	16 May 60	
60.1758	NIS 28B,	Lebanon	15 Jun 60	
60.1567	NIS 102,	Southwest Pacific Islands	Jun 59	NIS Chapter IX
60.1569			May 59	
60.1570	NIS 101,	West Pacific Islands	May 59	
60.1571	NIS 25B,	Malta	Jun 59	
60.1683	NIS 30 <sup>M</sup> ,	Iraq	Aug 59	
60.1684	NIS 13A <sup>M</sup> ,	East Germany	Oct 59	
60.1685	NIS 76,	Costa Rica	Nov 59	
60.1686			Feb 60	
60.1687	NIS 50C,	French West Africa	Feb 60	
60.1688	NIS 53 <sup>M</sup> ,	Egypt	Mar 60	
60.1689	NIS 97,	New Zealand	Apr 60	
60.1690	NIS 50B,	Nigeria and British Cameroons	Jun 60	

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